

# Mathematische Annalen

Band 269 1984

Begründet 1868 durch *Alfred Clebsch* und *Carl Neumann*, früher herausgegeben von *Alfred Clebsch* (1869–1872), *Carl Neumann* (1869–1876), *Felix Klein* (1876–1924), *Adolph Mayer* (1876–1901), *Walter v. Dyck* (1898–1921), *David Hilbert* (1902–1939), *Otto Blumenthal* (1906–1938), *Albert Einstein* (1920–1928), *Constantin Carathéodory* (1925–1928), *Erich Hecke* (1929–1947), *Bartel, L. van der Waerden* (1934–1968), *Franz Rellick* (1947–1955), *Kurt Reidemeister* (1947–1963), *Richard Courant* (1947–1968), *Heinz Hopf* (1947–1968), *Gottfried Köthe* (1957–1971), *Heinrich Behnke* (1938–1972), *Max Koecher* (1968–1976), *Lars Garding*, *Lund* (1970–1978), *Konrad Jörgens* (1972–1974), *Fritz John* (1968–1979), *Peter Dombrowski* (1970–1983), *Wulf-Dieter Geyer* (1977–1984)  
Band 1–80 Leipzig, B. G. Teubner, ab Band 81 (1920) Berlin, Springer

Herausgegeben von

**Herbert Amann**, Zürich · **Heinz Bauer**, Erlangen

**Jean-Pierre Bourguignon**, Palaiseau · **Hans Grauert**, Göttingen

**Günter Harder**, Bonn · **Friedrich Hirzebruch**, Bonn

**Nigel James Hitchin**, Oxford · **Reinhold Remmert**, Münster

**Winfried Scharlau**, Münster · **Elmar Thoma**, München

**Copyright** Submission of a manuscript implies that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review or thesis), that it is not under consideration for publication elsewhere, that its publication has been approved by all the authors and by the responsible authorities – tacitly or explicitly – in the institutes where the work was carried out and that, if accepted, it will not be published elsewhere in the same form, in either the same or another language, without the consent of the copyright holders. By submitting a manuscript, the authors agree that the copyright for their articles is transferred to the publisher if and when the article is accepted for publication. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform, electronic data-base, video-disks, or any other reproductions of similar nature, and translations.

Photographic reproduction, microform, electronic data-base, video-disks, or any other reproduction of text, figures, or tables from this journal is prohibited without permission obtained from the publishers.

The use of general descriptive names, trade marks, etc., in this publication, even if the former are not specifically identified, is not to be taken as a sign that such names are exempt from the relevant protective laws and regulations.

While the advice and information in this journal is believed to be true and accurate at the date of going to press, neither the authors nor the editors nor the publisher can accept legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

**Special Regulations for the USA** Photocopies may be made for personal or internal use beyond that permitted by Section 107 or 108 of the U.S. Copyright Law, provided a fee is paid. This fee is \$0.20 per page or a minimum of \$1.00 if an article consists of less than five pages. Please pay this fee to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA, stating the ISSN 0025-5831, volume, and first and last page numbers of each article copied. The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works, or for resale. Specific written permission must be obtained from the publisher for such copying.

**Other Regulations** Authors of this journal can benefit from the library and photocopy fees collected by VG WORT if certain conditions are met. If an author lives in the Federal Republic of Germany or in West Berlin it is recommended that he contact Verwertungsgesellschaft WORT, Abteilung Wissenschaft, Goethestrasse 49, D-8000 München 2, for detailed information.

Springer-Verlag Berlin Heidelberg New York Tokyo

# Inhalt/Contents

Andersen, H. H., Jantzen, J. C.: Cohomology of Induced Representations for Algebraic Groups	487
Bongartz, K.: A Criterion for Finite Representation Type	1
Bray, W. O., Stanojević, Č. V.: Tauberian $L^1$ -Convergence Classes of Fourier Series. II	469
Brüning, J., Heintze, E.: Spektrale Starrheit gewisser Drehflächen	95
Bruna, J., Burgués, J. Ma.: Holomorphic Approximation in $C^m$ -Norms on Totally Real Compact Sets in $\mathbb{C}^n$	103
Bruna, J., Castillo, J. del: Hölder and $L^p$ -Estimates for the $\bar{\partial}$ -Equation in Some Convex Domains with Real-Analytic Boundary	527
Burgués, J. Ma., see Bruna, J.	103
Castillo, J. del, see Bruna, J.	527
Chen, B.-Y., Verheyen, P.: Submanifolds with Geodesic Normal Sections	417
Crauder, B.: Two Reduction Theorems for Threefold Birational Morphisms	13
Gramsch, B.: Relative Inversion in der Störungstheorie von Operatoren und $\Psi$ -Algebren	27
Heintze, E., see Brüning, J.	95
Hueber, H., Sieveking, M.: Quotients of Green Functions on $\mathbb{R}^n$	263
Jantzen, J. C., see Andersen, H. H.	487
John, K.: Tensor Product of Several Spaces and Nuclearity	333
Kobayashi, T.: On the Singularities of the Solution to the Cauchy Problem with Singular Data in the Complex Domain	217
König, H.: On the Tensor Stability of $s$ -Number Ideals	77
Korányi, A.: Monotone Functions on Formally Real Jordan Algebras	73
Kottwitz, R. E.: Shimura Varieties and Twisted Orbital Integrals	287
Kupka, J., Peck, N. T.: The $L_1$ Structure of Weak $L_1$	235
Lee, D. H., Wu, T.: On Praelgebraic Groups	279
Looijenga, E.: The Smoothing Components of a Triangle Singularity. II	357
Maroscia, P., Vogel, W.: On the Defining Equations of Points in General Position in $\mathbb{P}^n$	183
Mizumoto, S.: On the Second $L$ -Functions Attached to Hilbert Modular Forms	191
Ōaku, T.: Analytic Hypo-Ellipticity and Propagation of Regularity for a System of Microdifferential Equations with Non-Involutive Characteristics	145
Peck, N. T., see Kupka, J.	235
Picard, R., Seidler, S.: A Remark on Two Hilbert Space Scattering Theory	411
Poguntke, D.: Über das Synthese-Problem für nilpotente Liesche Gruppen	431
Rothenberg, M., Triantafyllou G.: An Algebraic Model for $G$ -Simple Homotopy Types	301
Sakai, F.: Anticanonical Models of Rational Surfaces	389
Salamon, S. M.: Harmonic 4-Spaces	169
Schumacher, G.: Moduli of Polarized Kähler Manifolds	137
Seidler, S., see Picard, R.	411
Sieveking, M., see Hueber, H.	263
Stanojević, Č. V., see Bray, W. O.	469
Triantafyllou, G., see Rothenberg, M.	301
Tukia, P., Väisälä, J.: Bilipschitz Extensions of Maps Having Quasiconformal Extensions	561
Väisälä, J., see Tukia, P.	561
Vazquez, J. L., Veron L.: Singularities of Elliptic Equations with an Exponential Nonlinearity	119
Verheyen, P., see Chen, B.-Y.	417
Veron, L., see Vazquez, J. L.	119
Vogel, W., see Maroscia, P.	183
Wu, T., see Lee, D. H.	279
Weiner, J. L.: The Gauss Map for Surfaces in 4-Space	541
Xavier, F.: Convex Hulls of Complete Minimal Surfaces	179

